



Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

DRY CONDITIONS HOLD STEADY; SMALL GRAIN HARVEST VIRTUALLY COMPLETE

Above normal temperatures and virtually no precipitation recorded this past week depleted topsoil moisture supplies for the eighth consecutive week, according to the USDA, NASS, Minnesota Field Office. Reporters across the state noted a need for rain, and as of September 11, topsoil moisture supply conditions were rated 9 percent very short, 30 percent short, 60 percent adequate, and 1 percent surplus. Although warm, dry weather depleted topsoil moisture, those same conditions aided harvest progress. Statewide, 6.8 days were rated suitable for fieldwork.

The small grain harvest was nearly complete with 97 percent of the state's spring wheat harvested and 99 percent of barley harvested. The canola harvest was 88 percent complete, surpassing the five-year average of 75 percent. Sweet corn was 81 percent harvested, compared to 80 percent average. Corn harvested for silage advanced to 40 percent complete, compared to 45 percent average. Potatoes were 29 percent harvested, compared to 38 percent average.

Thirty-nine percent of the state's soybeans were turning yellow, compared to 74 percent last year and 70 percent average, while 9 percent were shedding leaves, compared to 33 percent last year and 30 percent average. Soybean condition ratings were mostly fair to good.

Eighty-three percent of corn was in the dent stage, compared to 82 percent average, and 10 percent was in the mature stage, compared to 20 percent average. Corn condition ratings were mostly fair to good.

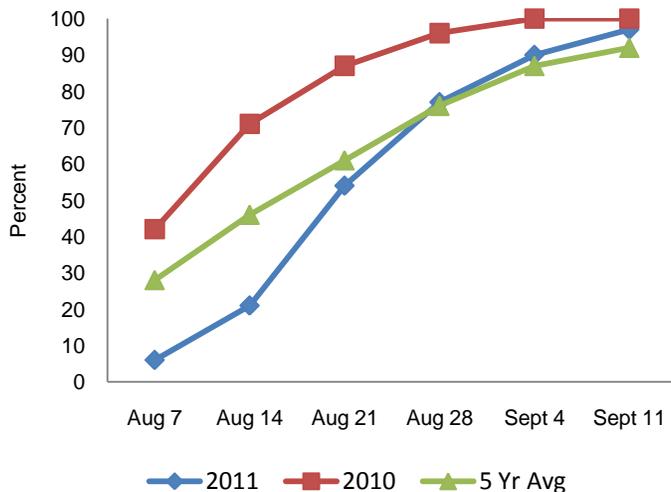
Range and pasture condition was rated 31 percent fair and 46 percent good, falling slightly from the previous week.

Days Suitable for Fieldwork: 6.8				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	9	30	60	1

Crop Progress as of September 11, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Dough	97	94	100	97
	Dent	83	65	93	82
	Mature	10	4	26	20
Corn Silage	Harvested	40	16	60	45
Soybeans	Turning Yellow	39	10	74	70
	Shedding Leaves	9	0	33	30
Spring Wheat	Harvested	97	90	100	92
Barley	Harvested	99	94	100	95
Sugarbeets	Harvested	1	0	9	5
Dry Beans	Fully Podded	97	94	100	NA
	Leaves Yellowing	73	52	95	NA
	Dropping Leaves	40	15	71	NA
Potatoes	Harvested	29	20	34	38
Canola	Harvested	88	75	100	75
Sweet Corn	Harvested	81	71	82	80

Condition as of September 11, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	4	11	31	46	8
Soybeans	2	9	28	49	12
Corn	2	10	25	51	12
Sugarbeets	5	13	33	40	9
Potatoes	0	2	18	53	27
Dry Beans	3	8	34	38	17
Sunflowers	1	7	50	36	6

Spring Wheat Harvested



The following links provides further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week: <http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data: <http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 11, 2011:
 Temperatures averaged from 0.2 degree below normal in the South Central District to 6.7 degrees above normal in the Northwest District. Extremes: 31 degrees in International Falls; 91 degrees in Moorhead. Average precipitation ranged from 0.87 inch below normal in the Southeast District to 0.55 inch below normal in the West Central District. Greatest weekly total of 0.01 inch was recorded in Hibbing, Melrose, Winona.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/5/2011 through 9/11/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	Since May 17	Depart from Norm	
<u>NW DIST 1</u>										
Crookston	87	45	65.8	5.8	0	-.55	-1.92	-1.71	2037	78
Itasca	M	M	M	M	M	M	-2.21m	1.17m	1565m	-51m
Moorhead	91	45	68.4	7.5	0	-.52	-1.95	5.63	2239	190
Warroad	86	40	63.2	6.1	0	-.65	-1.84	-.08	1704	-17
<u>NC DIST 2</u>										
Grand Rapids	87	38	64.4	6.9	0	-.74	-1.18	2.21	1894	179
Intl. Falls	86	31	61.8	5.9	0	-.75	-1.77	-1.39	1698	93
<u>NE DIST 3</u>										
Duluth	84	40	64.6	7.4	0	-1.04	-2.33	.96	1689	170
Grand Marais	88	42	59.2	1.7	0	-.80	-1.78	-2.21m	1008m	-176m
Hibbing	87	32	60.2	3.9	.01	-.75	-1.75	-3.60	1651	86
<u>WC DIST 4</u>										
Alexandria	87	45	67.0	6.4	0	-.68	-1.36	6.00	2111	146
Browns Valley	88	40	64.0	1.4	0	-.46	-.56	2.80	2122	-44
Canby	86	46	65.0	.8	0	-.58	-2.12	1.03	2301	26
Montevideo	87	43	64.4	1.5	0	-.56	-.99	1.70	2237	75
Morris	85	42	63.2	1.3	0	-.52	-1.53	2.40	2110	10
Wheaton	84	46	65.0	2.7	0	-.51	-.37	4.79	2172	23
<u>CENT DIST 5</u>										
Becker	M	M	M	M	0	-.81	-3.09	5.02	602m-1382m	
Collegeville	89	50	67.6	4.1	0	-.79	.10	8.27	2378	182
Hutchinson	86	46	64.6	2.2	0	-.62	-2.00	6.46m	2291	140
Melrose	85	42	63.8	2.1	.01	-.67	-2.28	3.37	2125	36
Olivia	83	43	62.8	1.0	0	-.69	-1.96	.52	2202	85
St. Cloud	88	41	65.8	5.7	0	-.75	-.80	3.55	2189	254
Wadena	86	38	62.6	4.2	0	-.62	-1.58	-5.47m	1218m	-543m
Willmar	84	42	63.2	1.9	0	-.71	-.49	5.16	2139	98
<u>EC DIST 6</u>										
Aitkin	89	38	63.2	5.4	0	-.72	-1.81	3.92	2056	395
Forest Lake	87	44	64.6	2.8	0	-.84	-2.16	1.31	2272	204
Hinckley	86	40	60.6	2.5	0	-.81	-.92	1.08m	1758m	15m
MSP Airport	90	48	69.9	6.2	0	-.70	-1.69	1.28	2577	317
St. Paul - UofM	86	45	65.6	1.8	0	-.81	-1.33	6.53	2325	104
<u>SW DIST 7</u>										
Lamberton	85	44	64.2	1.3	0	-.65	-2.47	2.26	2348	147
Marshall	87	47	65.0	1.3	0	-.57	-2.31	-.03	2312	62
Pipestone	88	38	62.0	-.2	0	-.67	-1.91	5.92	2144	20
Redwood Falls	89	42	66.7	2.3	0	-.64	-1.83	-1.30	2419	94
Worthington	84	41	62.0	.2	0	-.65	-2.09	5.18	2226	156
<u>SC DIST 8</u>										
Faribault	M	M	M	M	M	M	M	-3.36m	613m-1497m	
North Mankato	86	44	63.6	.3	0	-.80	-2.77	-1.84	2267	72
Waseca	85	41	62.3	-.6	0	-.82	-3.24	.42	2339	197
Winnebago	85	44	63.4	-.5	0	-.68	-2.42	-.86	2412	196
<u>SE DIST 9</u>										
Preston	82	39	60.2	-1.9	0	-.92	-2.11	-3.16	2263	232
Red Wing	86	47	63.8	.5	0	-.88	-1.78	.82	2413	230
Rochester	85	42	63.6	2.0	0	-.80	-1.63	-1.27	2256	254
Rosemount	87	45	64.6	2.2	0	-.89	-2.67	3.53	2333	248
Winona	83	45	63.0	-.7	.01	-.87	-1.74	1.92	2332m	115m

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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